

Title (en)
Self-tightening clamp

Title (de)
Selbstspannende Klemme

Title (fr)
Collier autoserrant

Publication
EP 0545378 B1 19960821 (EN)

Application
EP 92120554 A 19921202

Priority
US 80322091 A 19911206

Abstract (en)
[origin: EP0545378A1] A self-tightening clamp (20) formed from spring steel band (21) material which exerts clamping forces by the inherent springiness of the band material. To minimize outwardly projecting parts with their injury danger and to obtain an inner clamping surface substantially devoid of any gaps or steps, the end of the outer band end portion (21b) is provided with an elongated slot (22) adapted to receive the tongue-like overlapped inner band end portion (21a). Temporary locking of the clamp is realized by a detent member (26) in the tongue-like inner band end portion (21a) adapted to be lockingly engaged by a locking surface (25) in the outer band portion (21b). The elongated slot (22) is thereby of such width as to accommodate the tongue-like inner band portion (21a) whereby the detent member (26) is located in the elongated slot (22) when the clamp (20) is in its clamping position. <IMAGE>

IPC 1-7
F16L 33/02; B25B 25/00

IPC 8 full level
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CPC (source: EP KR US)
B25B 25/005 (2013.01 - EP US); **F16B 2/02** (2013.01 - KR); **F16L 33/03** (2013.01 - EP US); **Y10T 24/1457** (2015.01 - EP US); **Y10T 24/1478** (2015.01 - EP US); **Y10T 24/148** (2015.01 - EP US)

Cited by
DE19642454A1; US5864926A; DE4441439A1; EP0713993A3; US5715579A; EP0822578B1

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